

APPL. No. 10/712,450

ATTY. DOCKET NO.: 112857-441

RESP. DATED MARCH 14, 2006

RESP. TO EXAMINER'S REQUEST ON MAR. 13, 2006

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended): An information processing apparatus, comprising:
  - a sensor for detecting an object, the sensor configured to continuously sense a sensor effective area;
  - an object-identifying unit which obtains an ID corresponding to the object within the sensor area, the ID based on information input from the sensor so as to repeatedly and the object-identifying unit configured to output the obtained ID based on the information input from the sensor; and
  - an information processing unit which repeatedly-receives the ID from the object-identifying unit so as to perform a program corresponding to the ID;
  - wherein the information processing unit compares a program that is set based on a newly-input ID with a program that is set based on an already-input ID from the object-identifying unit, and ends a currently-executed program when the two programs are different from each other.
6. (original): An information processing apparatus, comprising:
  - a sensor for detecting objects;
  - an object-identifying unit which obtains first and second IDs corresponding to the objects based on information input from the sensor so as to repeatedly output the obtained first and second IDs based on the information input from the sensor; and
  - an information processing unit which repeatedly receives the first and second IDs from the object-identifying unit so as to perform a program corresponding to the first and second IDs,

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wherein the information processing unit sets a communication protocol corresponding to the first ID input from the object-identifying unit and sets a connected party corresponding to the second ID input from the object-identifying unit, and when at least one of a communication protocol and a connected party corresponding to first and second newly-input IDs from the object-identifying unit is different from at least one of a communication protocol and a connected party corresponding to first and second already-input IDs, the information processing unit changes the communication protocol or the connected party based on the corresponding newly-input ID.

9. (currently amended): A communication processing apparatus performing communication processing, the apparatus comprising:
- a sensor configured to continuously sense a sensor effective area and for detecting first and second objects positioned within the sensor effective area;
  - an object-identifying unit which obtains first and second IDs corresponding to the first and second objects based on information input from the sensor, the object-identifying unit configured to so-as-to-repeatedly output the obtained first and second IDs based on the information input from the sensor; and
  - an information processing unit configured to receive which repeatedly receives the first and second IDs from the object-identifying unit, the information processing unit further configured so-as-to perform a program corresponding to the received IDs;
- wherein the information processing unit sets a communication protocol corresponding to the first ID input from the object-identifying unit and sets a connected party corresponding to the second ID input from the object-identifying unit.

10. (currently amended): ~~A communication processing apparatus according to claim 9, wherein,~~ A communication processing apparatus performing communication processing, the apparatus comprising:

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a sensor for detecting objects;

an object-identifying unit which obtains first and second IDs corresponding to the objects based on information input from the sensor, so as to repeatedly output the obtained first and second IDs based on the information input from the sensor; and

an information processing unit which repeatedly receives the first and second IDs from the object-identifying unit so as to perform a program corresponding to the IDs;

wherein the information processing unit sets a communication protocol corresponding to the first ID input from the object-identifying unit and sets a connected party corresponding to the second ID input from the object-identifying unit, and wherein when at least one of the communication protocol and the connected party corresponding to first and second newly-input IDs from the object-identifying unit is different from at least one of a communication protocol and a connected party corresponding to first and second already-input IDs, the information processing unit changes the communication protocol or the connected party based on the corresponding newly-input ID.

11. (currently amended): An information processing method, comprising:

~~an object-identifying an object; step of~~

~~obtaining an ID corresponding to an the object based on information input from a sensor when the object is within a continuously sensed sensor effective area; which detects the object, and repeatedly~~

~~outputting the obtained ID to an information processing unit based on the information input from the sensor; and~~

~~communicating the ID to an information processing unit; step of repeatedly receiving the ID obtained in the object identifying step and performing a program corresponding to the ID;~~

~~wherein, in the information processing step, unit compares a program that is set based on a newly-input ID is compared with a program that is set based on an already-input ID, and a currently-executed program is ended when the two programs are different from each other.~~

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16. (original): An information processing method, comprising:

an object identifying step of obtaining first and second IDs corresponding to objects based on information input from a sensor, which detects the objects, and repeatedly outputting the obtained IDs to an information processing unit based on the information input from the sensor; and  
an information processing step of repeatedly receiving the first and second IDs obtained in the object identifying step and performing a program corresponding to the first and second IDs;  
wherein, in the information processing step, a communication protocol corresponding to the first ID is set and a connected party corresponding to the second ID is set, and when at least one of a communication protocol and a connected party corresponding to first and second newly-input IDs is different from at least one of a communication protocol and a connected party corresponding to first and second already-input IDs, the communication protocol or the connected party is changed based on the corresponding newly-input ID.

19. (currently amended): A communication processing method, comprising:

~~an object identifying step of obtaining first and second IDs corresponding to~~  
~~objects based on information input from a sensor~~ when the objects are  
located within a continuously sensed sensor effective area, which  
~~detects the objects, and repeatedly~~  
outputting the obtained first and second IDs to an information processing unit  
based on the information input from the sensor; and  
~~an information processing step of repeatedly receiving the first and second IDs~~  
~~obtained in the object identifying step and performing a program~~  
corresponding to the IDs, wherein the information processing unit is  
configured to compare the program that corresponds to the first ID  
with another program that corresponds to the second ID, and ends a  
currently-executed program when the two programs are different from  
each other; and

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~~wherein, in the information processing step,~~ a communication protocol  
corresponding to the first ID is set and a connected party  
corresponding to the second ID is set.

20. (currently amended): ~~A communication processing method according to claim~~  
19, A communication processing method, comprising:

an object identifying step of obtaining first and second IDs corresponding to  
objects based on information input from a sensor, which detects the  
objects, and repeatedly outputting the obtained first and second IDs to  
an information processing unit based on the information input from the  
sensor; and

an information processing step of repeatedly receiving the first and second IDs  
obtained in the object identifying step and performing a program  
corresponding to the IDs,

wherein, in the information processing step, a communication protocol  
corresponding to the first ID is set and a connected party  
corresponding to the second ID is set, and wherein, in the information  
processing step, when at least one of a communication protocol and a  
connected party corresponding to first and second newly-input IDs is  
different from at least one of a communication protocol and a  
connected party corresponding to first and second already-input IDs,  
the communication protocol or the connected party is changed based  
on the corresponding newly-input ID.

21. (currently amended): A computer program for executing information  
processing, the program comprising:

~~an object identifying step of obtaining an ID corresponding to an object based~~  
on information input from located within a sensor effective area  
continuously sensed by a sensor, which detects the object, and  
repeatedly

outputting the obtained ID to an information processing unit based on the  
information input from sensed by the sensor; and

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~~an information processing step of repeatedly receiving~~ processing the ID  
obtained corresponding to the object in the object identifying step and  
performing a program corresponding to the ID;

~~wherein, in the information processing step,~~ a program that is set based on a  
newly-input ID is compared with a program that is set based on an  
already-input ID, and a currently-executed program is ended when the  
two programs are different from each other.

22. (currently amended): A computer program for executing communication  
processing, the program comprising:

an object identifying routine programmed to obtain~~step of obtaining~~ first and  
second IDs corresponding to objects detected within a sensor effective  
area of based on information input from a sensor, ~~which detects the~~  
~~objects,~~ and repeatedly outputting the obtained first and second IDs to  
an information processing unit based on the information provided by  
~~input from the sensor;~~ and

an information processing routine programmed to receive~~step of repeatedly~~  
~~receiving the first and second IDs~~ sensed and provided by the  
sensor~~obtained in the object identifying step,~~ the information  
processing routine programmed to perform and performing a program  
corresponding to the IDs, wherein the information processing routine is  
configured to compare the program that corresponds to the first ID  
with another program that corresponds to the second ID, and ends a  
currently-executed program when the two programs are different from  
each other; and;

~~wherein, in the information processing step,~~ a communication protocol  
corresponding to the first ID is set and a connected party  
corresponding to the second ID is set.